

Dear Jim,

I have been notified that work should proceed on a "C-Rack Modification". Just to make sure that we agree upon what it is that constitutes this modification, I am enclosing a brief explanatory note.

kg

April 29, 1957

The following constitutes a brief description of the C-Rack Modification, which will henceforth be called Mod 60 to prevent confusion with other modifications, whose fabrication has been requested.

The kit will consist of two different Capstan motors: one for speeds of 2-1/4 and 9 inches per second and one for 30 and 60 inches per second. To change from one set of speeds to another, four mounting bolts on the motor frame are removed and a power plug is disconnected, and the replacement motor is then bolted in place and its plug connected.

A precaution which has to be observed when operating the Ampex 350 transport at 60 inches per second, is that, when the transport is stopped it is necessary to manually stop the flywheel on the lower left side of the transport before starting up again at 60 inches per second. If the flywheel is not stopped, the supply reel overshoots and tape spillout occurs. Secondly, in order to use the machine over such a wide range of speeds, it is necessary to change the torque on the take-up and supply reel motors. This is accomplished by adjusting sliding contacts on resistors contained in the control box at the back of the transport.

A complete set of instructions would be furnished with each kit.